



STIC Search Report

EIC 1700

STIC Database Tracking Number: 103433

**TO: Robert Sellers
Location: CP3 5B12
Art Unit : 1712
September 12, 2003**

Case Serial Number: 10/016844

**From: Kathleen Fuller
Location: EIC 1700
CP3/4 3D62
Phone: 308-4290**

Kathleen.Fuller@uspto.gov

Search Notes

I numbered the structures in the application pages you gave me. I only found exact structures for 3, 7 and 6 using a structure search combined with the molecular formulas. There were no structure for 1,2,4,5, 8 and 9..

=> FILE REG

FILE 'REGISTRY' ENTERED AT 10:15:22 ON 12 SEP 2003
 USE ~~IS~~ SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 10 SEP 2003 HIGHEST RN 583020-12-6
 DICTIONARY FILE UPDATES: 10 SEP 2003 HIGHEST RN 583020-12-6

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

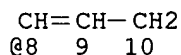
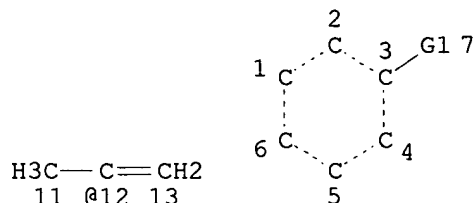
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTIES for more information. See STNote 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> D QUE L30
 L6

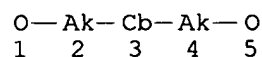
STR 1



VAR G1=8/12
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
 L8 STR 2



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

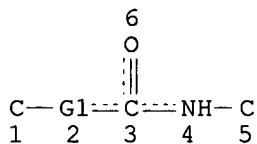
STEREO ATTRIBUTES: NONE
L12 STR 3

CH2-CH2-CH2-CH2-O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L13 STR 4



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE

L17 SCR 1016 OR 970
L19 4169 SEA FILE=REGISTRY SSS FUL L6 AND (L8 OR L12 OR L13) AND L17
L20 52 SEA FILE=REGISTRY ABB=ON L19 AND 1/SI AND 1/NR AND 5/O AND
1/N
L21 STR

Ph~CH=CH-CH2
14 8 9 10

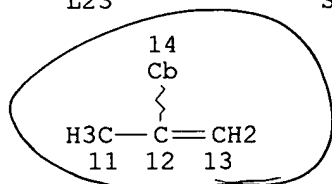
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

*structure queries 1 and (2 or 3 or 4)
covers all the structures
1 through 9 on the
attached sheets -
4,169 structures*

*Subset search with
no effect compound*

STEREO ATTRIBUTES: NONE
L23 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

2,491 structures

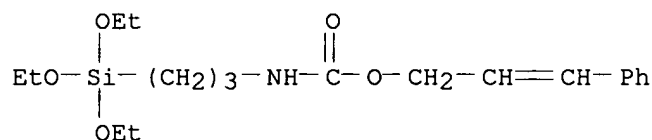
GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L27 2491 SEA FILE=REGISTRY SUB=L19 SSS FUL L21 OR L23
L29 12 SEA FILE=REGISTRY ABB=ON L20 AND L27
L30 1 SEA FILE=REGISTRY ABB=ON L29 AND C19H31NO5SI/MF

=> D L30

3

L30 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 374782-58-8 REGISTRY
CN Carbamic acid, [3-(triethoxysilyl)propyl]-, 3-phenyl-2-propenyl ester
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H31 N O5 Si
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



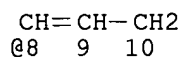
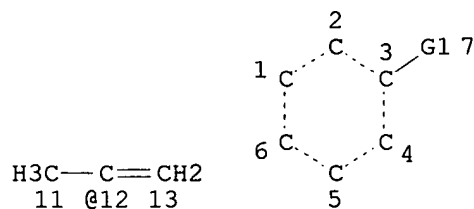
structure number 3
from sheet

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> D QUE L32
L6 STR

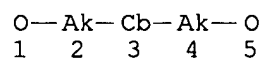
attempt to find
number 4 - not
found



VAR G1=8/12
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 13

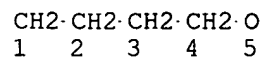
STEREO ATTRIBUTES: NONE
 L8 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 GG CAT IS PCY SAT AT 3
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 5

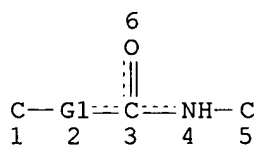
STEREO ATTRIBUTES: NONE
 L12 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 5

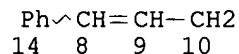
STEREO ATTRIBUTES: NONE
 L13 STR



VAR G1=O/NH
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 6

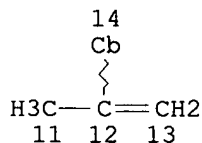
STEREO ATTRIBUTES: NONE
 L17 SCR 1016 OR 970
 L19 4169 SEA FILE=REGISTRY SSS FUL L6 AND (L8 OR L12 OR L13) AND L17
 L21 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L23 STR



NODE ATTRIBUTES:
 CONNECT IS X2 RC AT 14
 DEFAULT MLEVEL IS ATOM
 GGCAT IS MCY UNS AT 14
 DEFAULT ECLEVEL IS LIMITED

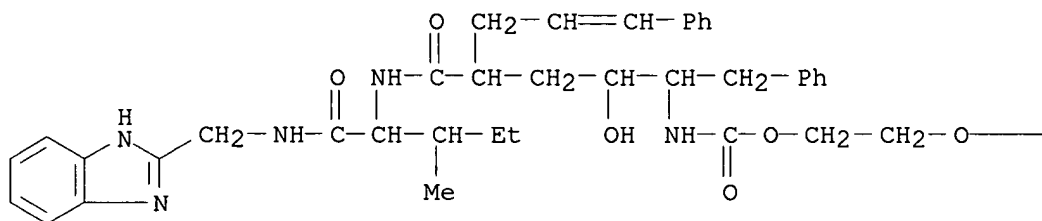
GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L27 2491 SEA FILE=REGISTRY SUB=L19 SSS FUL L21 OR L23
 L32 3 SEA FILE=REGISTRY ABB=ON L27 AND 54/C

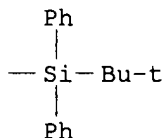
=> D SCAN L32

L32 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Carbamic acid, [4-[[[1-[[[1H-benzimidazol-2-ylmethyl]amino]carbonyl]-2-methylbutyl]amino]carbonyl]-2-hydroxy-7-phenyl-1-(phenylmethyl)-6-heptenyl]-, 2-[[[(1,1-dimethylethyl)diphenylsilyl]oxy]ethyl ester, [1S-[1R*,2R*,4S*(1R*,2R*)]]- (9CI)
 MF C54 H65 N5 O6 Si

PAGE 1-A



PAGE 1-B

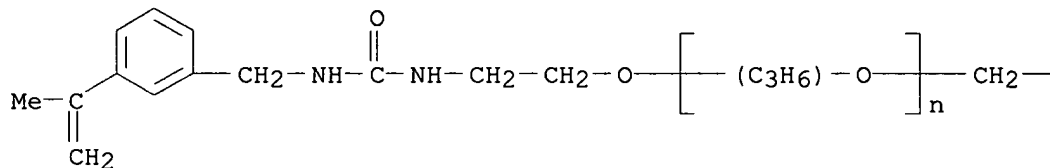


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

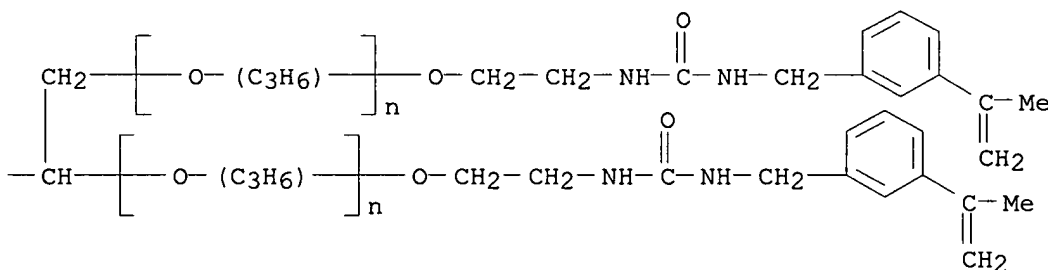
L32 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.'-1,2,3-propanetriyltris[.omega.-[methyl-2-[[[[3-(1-methylethenyl)phenyl]methyl]amino]carbonyl]amino]ethoxy]- (9CI)
 MF (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C45 H62 N6 O6
 CI IDS, PMS, COM

PAGE 1-A



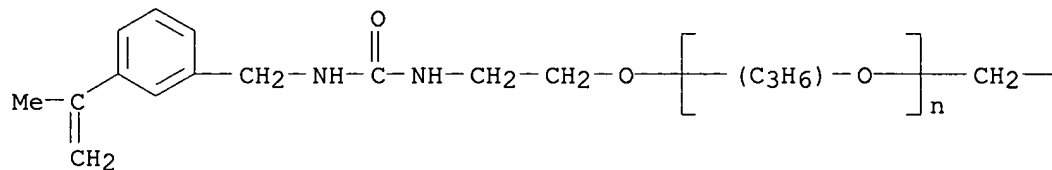
3 (D1-Me)

PAGE 1-B



L32 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Butanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester,
 polymer with 2-ethylhexyl 2-methyl-2-propenoate,
 .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-[methyl-2-[[[[3-(1-methylethenyl)phenyl]methyl]amino]carbonyl]amino]ethoxy]poly[oxy(methyl-1,2-ethanediyl)]] and (tetrahydro-2-furanyl)methyl 2-methyl-2-propenoate
 (9CI)
 MF (C12 H22 O2 . C10 H14 O6 . C9 H14 O3 . (C3 H6 O)n (C3 H6 O)n (C3 H6
 O)n C45 H62 N6 O6)x
 CI PMS
 CM 1

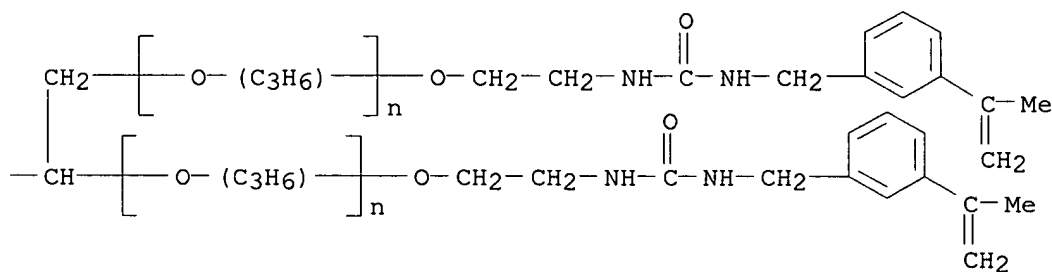
PAGE 1-A



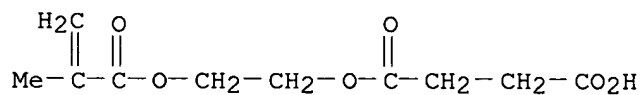
no

3 (D1-Me)

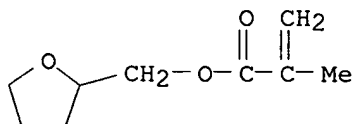
PAGE 1-B



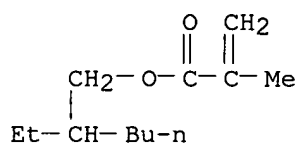
CM 2



CM 3



CM 4



ALL ANSWERS HAVE BEEN SCANNED

=> D QUE L28
L28

3 SEA FILE=REGISTRY ABB=ON C30H37O2/MF

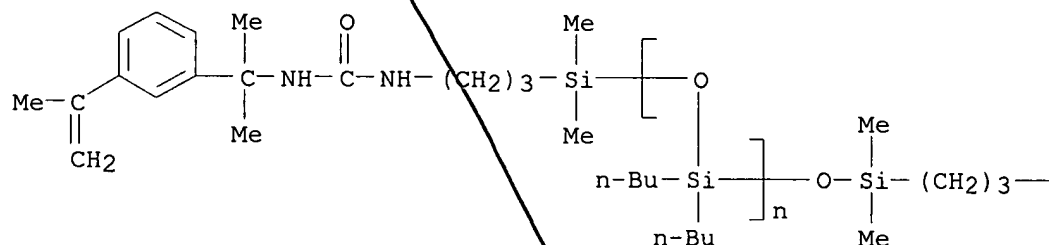
structure 1

=> D SCAN

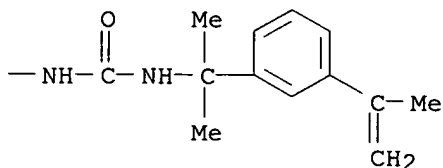
L33 20 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 2-methylpropyl ester, polymer with .alpha.-[dimethyl[3-
[[[[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]amino]carbonyl]amino]propyl]
silyl]-omega.-[[dimethyl[3-[[[[1-methyl-1-[3-(1-
methylethenyl)phenyl]ethyl]amino]carbonyl]amino]propyl]silyl]oxy]poly[oxy(
dibutylsilylene)] (9CI)
MF ((C8 H18 O Si)n C36 H58 N4 O3 Si2 . C7 H12 O2)x
CI PMS

CM 1

PAGE 1-A

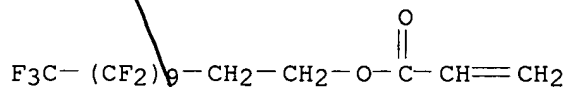


PAGE 1-B

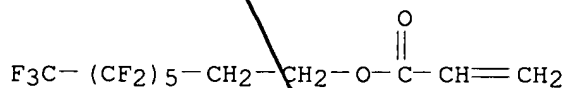


CM 2

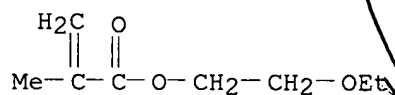
CM 4



CM 5



CM 6



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1): 0

=> D SCAN L28

L28 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN

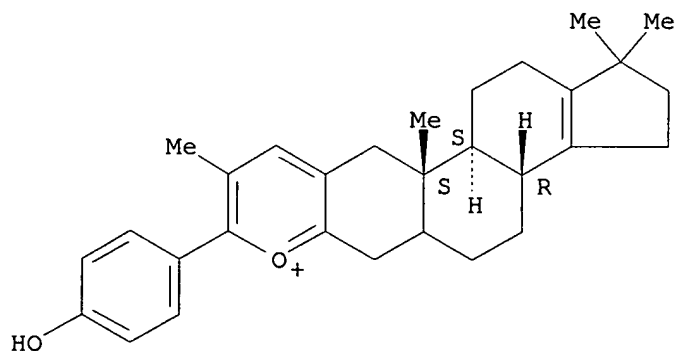
IN 18-Norandrosta-2,13-dieno[3,2-b]pyrylium, 6'-(4-hydroxyphenyl)-5',17,17-trimethyl- (9CI)

MF C30 H37 O2

CI COM

Absolute stereochemistry.

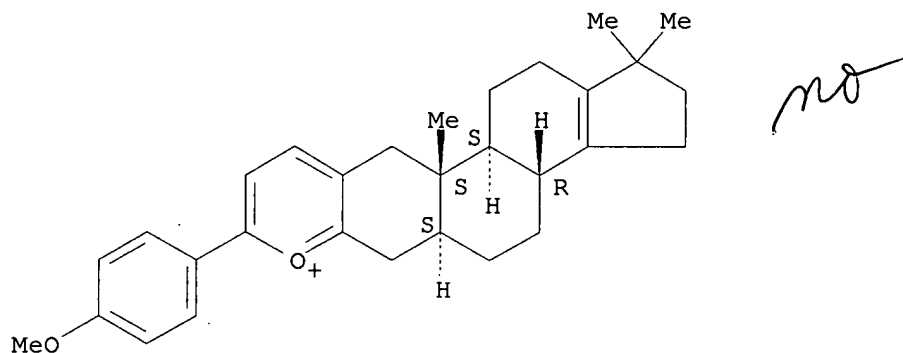
*number 1 -
none of the
structures is
correct*



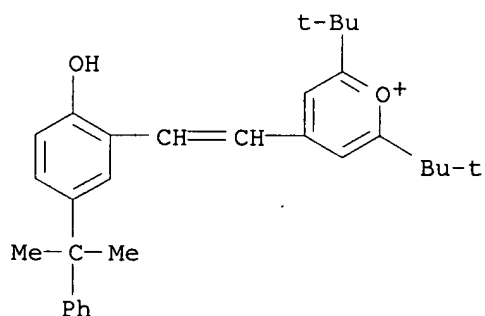
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1): 2

L28 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN 18-Norandrosta-2,13-dieno[3,2-b]pyrylium, 6'-(4-methoxyphenyl)-17,17-dimethyl-, (5.alpha.)- (9CI)
 MF C30 H37 O2
 CI COM

Absolute stereochemistry.



L28 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Pyrylium, 2,6-bis(1,1-dimethylethyl)-4-[2-[2-hydroxy-5-(1-methyl-1-phenylethyl)phenyl]ethenyl]- (9CI)
 MF C30 H37 O2
 CI COM

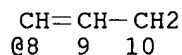
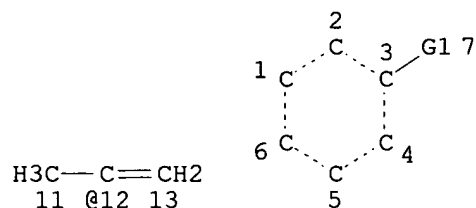


ALL ANSWERS HAVE BEEN SCANNED

=> D QUE
 L7

STR

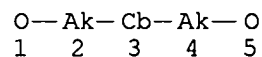
structure 7



VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

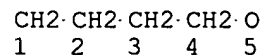
STEREO ATTRIBUTES: NONE
L8 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

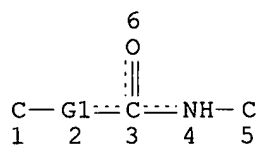
STEREO ATTRIBUTES: NONE
L9 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

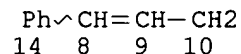
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 6

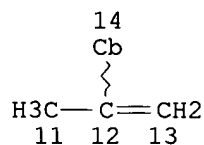
STEREO ATTRIBUTES: NONE
 L11 SCR 1016 OR 970
 L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
 L13 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L14 STR



NODE ATTRIBUTES:
 CONNECT IS X2 RC AT 14
 DEFAULT MLEVEL IS ATOM
 GGCAT IS MCY UNS AT 14
 DEFAULT ECLEVEL IS LIMITED

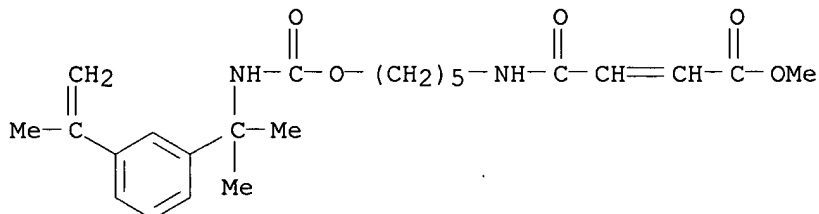
GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
 L22 1 SEA FILE=REGISTRY ABB=ON L15 AND C23H32N2O5/MF

=> D

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 365280-67-7 REGISTRY
 CN 2-Butenoic acid, 4-[[5-[[[[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]amino]carbonyl]oxy]pentyl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF **C23 H32 N2 O5**
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Structure 7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> SET COST OFF
 SET COMMAND COMPLETED

=> FILE HCAPLU
 FILE 'HCAPLUS' ENTERED AT 14:30:49 ON 12 SEP 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 12
 FILE LAST UPDATED: 11 Sep 2003 (20030911/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L22
 L23 1 L22

=> D ALL

L23 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:741562 HCAPLUS
 DN 135:289535
 TI Compounds with electron donor and electron acceptor functionality
 IN Musa, Osama M.
 PA National Starch and Chemical Investment Holding Corp., USA
 SO U.S., 12 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM C08G018-04
 NCL 528044000
 CC 37-2 (Plastics Manufacture and Processing)
 Section cross-reference(s): 25

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6300456	B1	20011009	US 2000-573838	20000518
	EP 1156036	A2	20011121	EP 2001-111275	20010516
	EP 1156036	A3	20030910		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002030041	A2	20020129	JP 2001-146637	20010516
	CN 1325847	A	20011212	CN 2001-119525	20010517
PRAI	US 2000-573838	A	20000518		
OS	MARPAT 135:289535				
AB	Compds. contg. both electron donor and electron acceptor functionality are suitable for use in adhesives. The electron donor group is a C-C double bond attached to an arom. ring and conjugated with the unsatn. in the ring. The electron acceptor group is a maleimide, acrylate, fumarate or maleate. Reaction schemes show the way to the unsatd. compds.				
ST	maleimido vinyl ether compd adhesive				
IT	Adhesives (compds. with electron donor and electron acceptor functionality for adhesive formulations)				
IT	46348-68-9P	365280-60-0P	365280-61-1P	365280-62-2P	365280-63-3P
	365280-64-4P	365280-65-5P	365280-66-6P	365280-67-7P	
	RL: IMF (Industrial manufacture); PREP (Preparation) (compds. with electron donor and electron acceptor functionality for adhesive formulations)				

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE

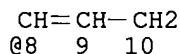
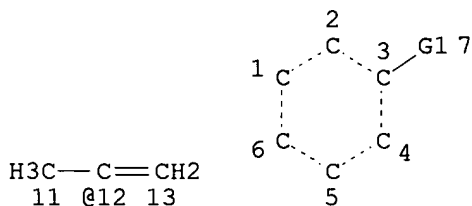
- (1) Dershem; US 6034194 2000 HCAPLUS
- (2) Dershem; US 6034195 2000 HCAPLUS
- (3) Green; US 5514727 1996 HCAPLUS
- (4) Heffner; US 4486582 1984 HCAPLUS
- (5) Husson; US 5789757 1998 HCAPLUS
- (6) Jacobine; US 5516455 1996 HCAPLUS
- (7) Kohli, P; Macromolecules 1998, V31, P5681 HCAPLUS
- (8) Lapin; US 4749807 1988 HCAPLUS
- (9) Lapin; US 4751273 1988 HCAPLUS
- (10) Lapin; US 4775732 1988 HCAPLUS
- (11) Liu; US 5183946 1993 HCAPLUS
- (12) McArdle; US 5084490 1992 HCAPLUS
- (13) Nguyen; US 5708129 1998 HCAPLUS
- (14) Noren; US 5334456 1994 HCAPLUS

(15) Swedo; US 5491178 1996 HCAPLUS
 (16) Swedo; US 5539014 1996 HCAPLUS
 (17) Woods; US 4543397 1985 HCAPLUS
 (18) Woods; US 4640849 1987 HCAPLUS
 (19) Woods; US 4732956 1988 HCAPLUS
 (20) Woods; US 5019629 1991 HCAPLUS
 (21) Woods; US 5633411 1997 HCAPLUS

=> D QUE
 L7

STR

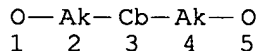
~~Structure 9~~ Structure 9



VAR G1=8/12
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 13

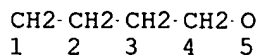
STEREO ATTRIBUTES: NONE
 L8 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 GGCAT IS PCY SAT AT 3
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
 L9 STR

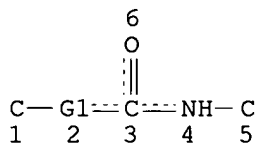


NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

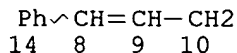
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

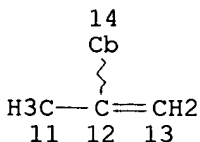
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

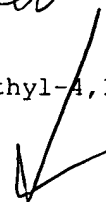
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
 L24 1 SEA FILE=REGISTRY ABB=ON L15 AND 62/C

*structure 9
has 62 carbons*

=> D SCAN

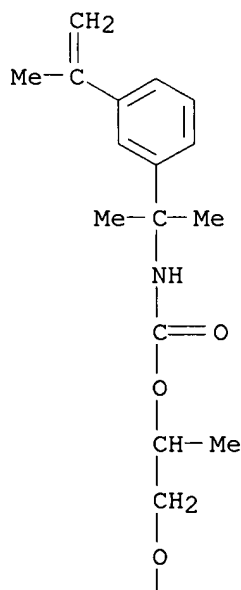
L24 1 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Carbamic acid, [1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]-,
 (9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)bis[imino(3,5-dimethyl-4,1-
 phenylene)oxy(1-methyl-2,1-ethanediyl)] ester (9CI)
 MF C62 H68 N4 O8

1 answer

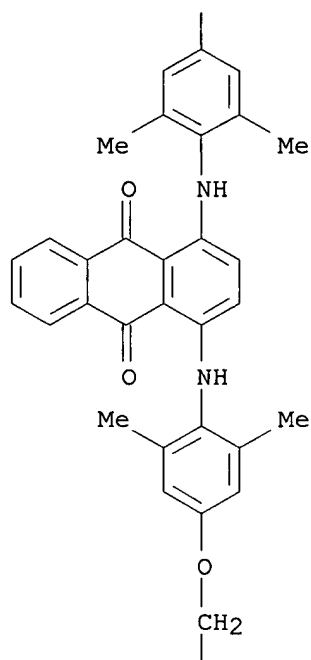


PAGE 1-A

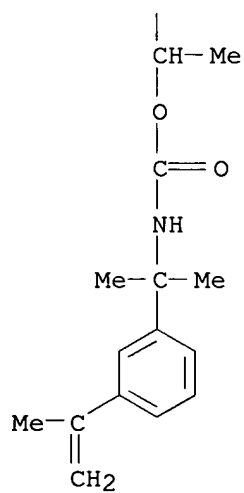
no



PAGE 2-A

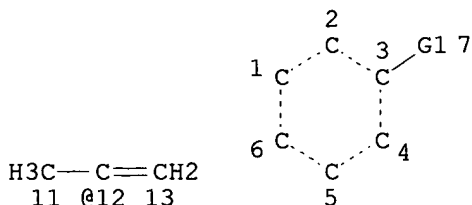


PAGE 3-A

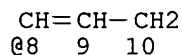


L7

STR



*Looking for
structure 5 -
not found*



VAR G1=8/12

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

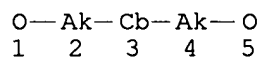
GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L8 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS PCY SAT AT 3

DEFAULT ECLEVEL IS LIMITED

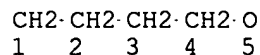
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L9 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

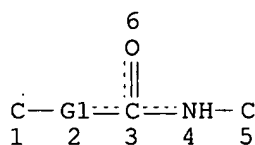
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

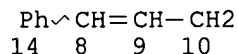
L10 STR



VAR G1=O/NH
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 6

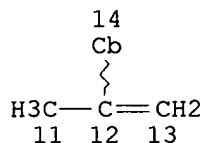
STEREO ATTRIBUTES: NONE
 L11 SCR 1016 OR 970
 L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
 L13 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L14 STR



NODE ATTRIBUTES:
 CONNECT IS X2 RC AT 14
 DEFAULT MLEVEL IS ATOM
 GGCAT IS MCY UNS AT 14
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
 L19 63 SEA FILE=REGISTRY ABB=ON C32H46N4O2/MF
 L20 0 SEA FILE=REGISTRY ABB=ON L15 AND L19
 L25 522 SEA FILE=REGISTRY ABB=ON L15 AND 1/NR AND 3-14/O
 L29 0 SEA FILE=REGISTRY ABB=ON L20 AND (BUTAN? OR BUTYL)

zero for structure 5

Looking for structure 2

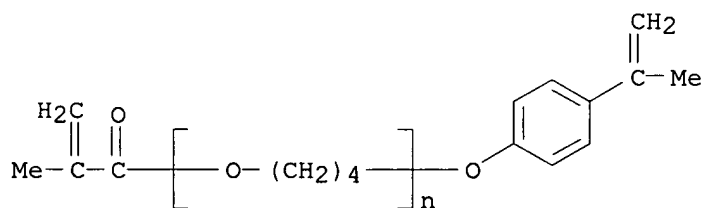
L30 23726 SEA FILE=REGISTRY ABB=ON C4H8O
 L31 0 SEA FILE=REGISTRY ABB=ON L20 AND L30
 L32 1 SEA FILE=REGISTRY ABB=ON L30 AND L25
 L33 1 SEA FILE=REGISTRY ABB=ON L29 OR L31 OR L32

=> D SCAN

L33 1 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Poly(oxy-1,4-butanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[4-(1-methylethenyl)phenoxy]- (9CI)
 MF (C4 H8 O)n C13 H14 O2
 CI PMS

Structure 2

none of these are correct

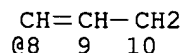
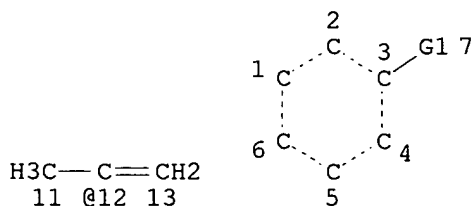


ALL ANSWERS HAVE BEEN SCANNED

=> D QUE L20

L7

STR



VAR G1=8/12

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L10 STR

6
O
||
C—G1—C—NH—C
1 2 3 4 5

VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR

Ph[^]CH=CH—CH2
14 8 9 10

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

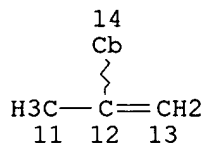
GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L14 STR



NODE ATTRIBUTES:

CONNECT IS X2 RC AT 14

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 14

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

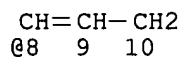
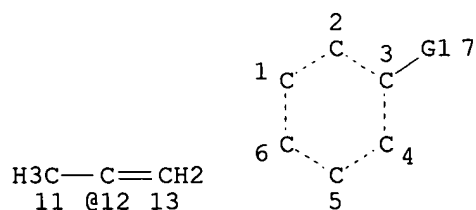
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14

L19 63 SEA FILE=REGISTRY ABB=ON C32H46N4O2/MF

L20 0 SEA FILE=REGISTRY ABB=ON L15 AND L19

=> D QUE

L7 STR



VAR G1=8/12

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L10 STR

6
O
||
C—G1—C—NH—C
1 2 3 4 5

VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR

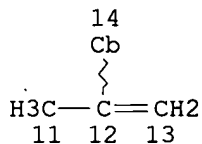
Ph^CH=CH—CH2
14 8 9 10

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

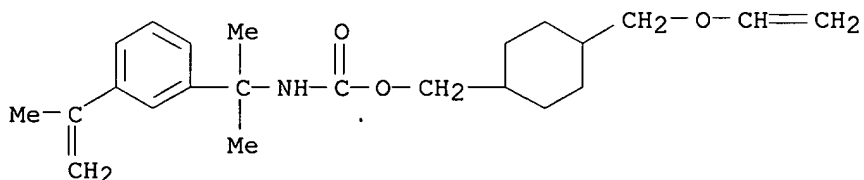
GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L34 1 SEA FILE=REGISTRY ABB=ON L15 AND C23H33NO3/MF

Structure 6

=> D

L34 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 368451-69-8 REGISTRY
CN Carbamic acid, [1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]-,
[4-[(ethenyloxy)methyl]cyclohexyl]methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C23 H33 N O3**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)



=> FILE HCAPLUS
FILE 'HCAPLUS' ENTERED AT 14:49:58 ON 12 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 12
FILE LAST UPDATED: 11 Sep 2003 (20030911/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L34

L35 1 L34

=> D ALL

L35 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:772155 HCAPLUS
DN 135:319376
TI Curable hybrid electron donor compounds containing vinyl ether groups
IN Musa, Osama M.
PA National Starch and Chemical Investment Holding Corporation, USA
SO U.S., 11 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM C08G018-04
NCL 528044000
CC 38-3 (Plastics Fabrication and Uses)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6307001	B1	20011023	US 2000-573376	20000518
	EP 1158008	A2	20011128	EP 2001-111273	20010516
	EP 1158008	A3	20030702		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CN 1325845	A	20011212	CN 2001-119527	20010517
	JP 2002037752	A2	20020206	JP 2001-147728	20010517
PRAI	US 2000-573376	A	20000518		
OS	MARPAT 135:319376				
AB	The title compds. comprise [R1R2C:CR3Ar(G0,1,2)Q0,1X]mZ[OCR4:CR5R6]n, (I) where m and n are independently 1 to 6; Ar is an arom. or heteroarom. ring having 3 to 10 carbon atoms within the ring, in which the heteroatom is N, O, or S; R1, R2, and R3 are independently hydrogen, Ar as described above, or an alkyl group having 1 to 12 carbon atoms; R4, R5, and R6 are independently hydrogen, a Me group or an Et group; G is OR7, SR7, NR1R2, Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R7 is Ar as described above, or an alkyl group having 1 to 12 carbon				

atoms, and R1 and R2 are as described above; Q is an alkyl group having 1 to 12 carbon atoms; X is amido, urethane, amino, urea, ester, sulfone, etc., and Z is an alkyl group, a siloxane, a polysiloxane, a Cl-4 alkoxy-terminated siloxane or polysiloxane, a polyester, a polyurethane, a (poly)butadiene or an arom., polyarom., or heteroarom. group. Alternatively, isomers of I are used as the electron donors. The compds. are suitable for use as adhesives or as components in adhesives (e.g., with bismaleimides).

ST vinyl ether electron donor bismaleimide adhesive

IT Adhesives

Electron donors

(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 368451-59-6P 368451-65-4P **368451-69-8P** 368451-73-4P
368451-77-8P 368451-82-5P 368451-92-7P 368452-00-0P 368452-08-8P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)

(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 36115-41-0P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 114539-68-3

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 97-54-1, Isoeugenol 106-89-8, Epichlorohydrin, reactions 1592-20-7,
4-Vinyl benzyl chloride 2094-99-7, 3-Isopropenyl-.alpha.,.alpha.-
dimethylbenzyl isocyanate 2687-12-9, Cinnamyl chloride 17832-28-9,
1,4-Butanediol monovinyl ether 27336-16-9, 1, 6-Hexanediol monovinyl
ether 66415-55-2 130759-13-6, Cyclohexanedimethanol monovinyl ether
RL: RCT (Reactant); RACT (Reactant or reagent)

(curable hybrid electron donor compds. contg. vinyl ether groups)

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD

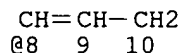
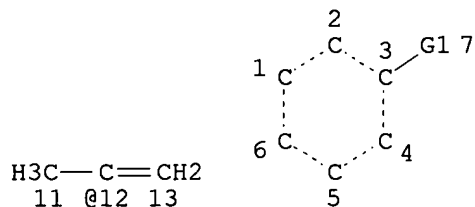
RE

- (1) Dershem; US 6034194 2000 HCAPLUS
- (2) Dershem; US 6034195 2000 HCAPLUS
- (3) Green; US 5514727 1996 HCAPLUS
- (4) Heffner; US 4486582 1984 HCAPLUS
- (5) Husson; US 5789757 1998 HCAPLUS
- (6) Jacobine; US 5516455 1996 HCAPLUS
- (7) Kohli, P; Macromolecules 1998, V31, P5681 HCAPLUS
- (8) Lapin; US 4749807 1988 HCAPLUS
- (9) Lapin; US 4751273 1988 HCAPLUS
- (10) Lapin; US 4775732 1988 HCAPLUS
- (11) Liu; US 5183946 1993 HCAPLUS
- (12) McArdle; US 5084490 1992 HCAPLUS
- (13) Nguyen; US 5708129 1998 HCAPLUS
- (14) Noren; US 5334456 1994 HCAPLUS
- (15) Swedo; US 5491178 1996 HCAPLUS
- (16) Swedo; US 5539014 1996 HCAPLUS
- (17) Woods; US 4543397 1985 HCAPLUS
- (18) Woods; US 4640849 1987 HCAPLUS
- (19) Woods; US 4732956 1988 HCAPLUS
- (20) Woods; US 5019629 1991 HCAPLUS
- (21) Woods; US 5633411 1997 HCAPLUS

=> D QUE

L7

STR



VAR G1=8/12

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

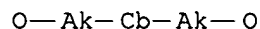
GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L8 STR



1 2 3 4 5

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS PCY SAT AT 3

DEFAULT ECLEVEL IS LIMITED

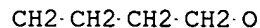
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L9 STR



1 2 3 4 5

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

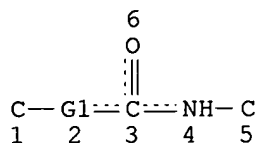
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

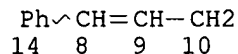
L10 STR



VAR G1=O/NH
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 6

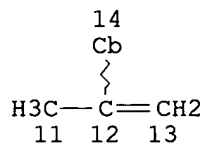
STEREO ATTRIBUTES: NONE
 L11 SCR 1016 OR 970
 L12 (4169) SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
 L13 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L14 STR



NODE ATTRIBUTES:
 CONNECT IS X2 RC AT 14
 DEFAULT MLEVEL IS ATOM
 GGCAT IS MCY UNS AT 14
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 4

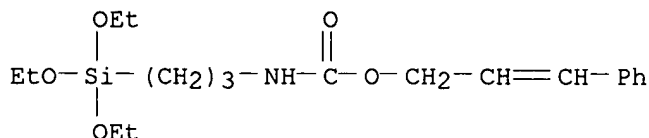
STEREO ATTRIBUTES: NONE
 L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
 L36 1 SEA FILE=REGISTRY ABB=ON L15 AND C19H31NO5SI/MF

Structure 3

=> D

L36 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 374782-58-8 REGISTRY
 CN Carbamic acid, [3-(triethoxysilyl)propyl]-, 3-phenyl-2-propenyl ester
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF **C19 H31 N O5 Si**
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

structure 3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> FILE HCAPLUS
 FILE 'HCAPLUS' ENTERED AT 14:51:35 ON 12 SEP 2003
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FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 12
 FILE LAST UPDATED: 11 Sep 2003 (20030911/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L36
 L37 1 L36

=> D ALL

L37 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:850769 HCAPLUS
 DN 136:7191
 TI Adhesion promoters which are silanes comprising carbamate or urea groups,

and a group with electron donor or acceptor functionality
 IN Musa, Osama M.; McLean, Colin; Bonneau, Mark; Nikolic, Nikola A.
 PA National Starch and Chemical Investment Holding Corporation, USA
 SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM C07F007-18

ICS C09J175-04

CC 38-3 (Plastics Fabrication and Uses)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1156053	A2	20011121	EP 2001-111272	20010516
	EP 1156053	A3	20030827		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6441213	B1	20020827	US 2000-573804	20000518
	JP 2002003816	A2	20020109	JP 2001-146526	20010516
	CN 1324907	A	20011205	CN 2001-119523	20010517
PRAI	US 2000-573804	A	20000518		

OS MARPAT 136:7191

AB The title adhesion promoters have the structure [(RO)₃Si]mR₁XCOYR₂En in which m and n are 1 to 6; R is a C1-3 alkyl group or an arom. or heteroarom. ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S; R₁ and R₂ are a linear or branched chain alkyl or alkyloxy group that have 2 to 100 carbon atoms, which chain may have cyclic moieties, E is an electron donating or electron accepting group selected from the group consisting of maleates, fumarate, maleimides, acrylates, carbon to carbon double bonds connected to an arom. ring and conjugated with the unsatn. in the ring, and X and Y are O, S or N(R₃) with the proviso that X and Y may not both be O or S, and in which R₃ is a C1-4 alkyl. The compds. display low volatility. A compd. was prepd. by reaction of maleic anhydride and 6-aminocaproic acid, formation of the maleimide from the amic acid, conversion to 6-maleimidocaproic chloride, formation of a maleimido isocyanate and reaction with Silquest A-1100.

ST silane electron donor acceptor adhesion promoter; maleimido silane adhesion promoter

IT Adhesion promoters
 Adhesives

(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)

IT 159856-61-8P 374782-54-4P 374782-56-6P **374782-58-8P**
 374782-60-2P 374782-65-7P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)

(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)

IT 55750-53-3P, 6-Maleimidocaproic acid 57079-14-8P 82333-93-5P
 157503-18-9P 196492-12-3P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)

IT 60-32-2, 6-Aminocaproic acid 104-54-1, Cinnamyl alcohol 108-31-6,
 Maleic anhydride, reactions 919-30-2, Silquest A-1100 2094-99-7,
 3-Isopropenyl-.alpha.,.alpha.-dimethylbenzyl isocyanate 4048-33-3,

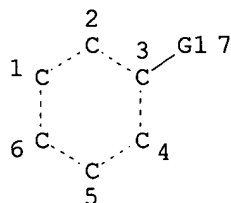
6-Amino hexanol 4420-74-0, Silquest A-189 24801-88-5, Silquest A-1310
 42978-84-7, Hydroxybutyl vinyl ether 114651-37-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (adhesion promoters which are silanes comprising carbamate or urea
 groups, and a group with electron donor or acceptor functionality)

=> D QUE
 L7

STR

*Structure 8 -
 not found*

H3C—C=CH2
 11 @12 13



CH=CH—CH2
 @8 9 10

VAR G1=8/12
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
 L8 STR

O—Ak—Cb—Ak—O
 1 2 3 4 5

NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 GGCAT IS PCY SAT AT 3
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
 L9 STR

CH2·CH2·CH2·CH2·O
 1 2 3 4 5

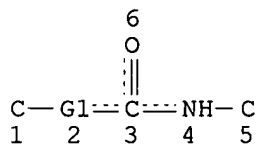
NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L10 STR



VAR G1=O/NH

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

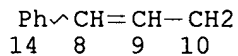
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE

L11 SCR 1016 OR 970

L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11

L13 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

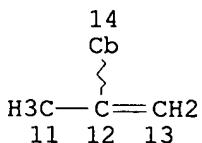
GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L14 STR



NODE ATTRIBUTES:

CONNECT IS X2 RC AT 14

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 14

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
 L39 173117 SEA FILE=REGISTRY ABB=ON 1.30.1/RID
 L40 198 SEA FILE=REGISTRY ABB=ON L15 AND L39
 L41 17 SEA FILE=REGISTRY ABB=ON L40 AND 4/NR
 L42 2 SEA FILE=REGISTRY ABB=ON L41 AND 5/O AND 1/N

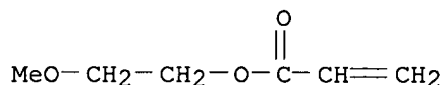
8

2 answers - neither
 is correct

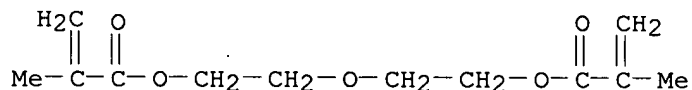
=> D SCAN

L42 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, oxydi-2,1-ethanediyl ester, polymer with
 butyl 2-propenoate, ethenylbenzene, 1-(1-isocyanato-1-methylethyl)-3-(1-
 methylethenyl)benzene, 2-methoxyethyl 2-propenoate, methyl
 2-methyl-2-propenoate, oxirane, oxiranylmethyl 2-methyl-2-propenoate and
 2-propenoyl chloride (9CI)
 MF (C13 H15 N O . C12 H18 O5 . C8 H8 . C7 H12 O2 . C7 H10 O3 . C6 H10 O3
 . C5 H8 O2 . C3 H3 Cl O . C2 H4 O)x
 CI PMS

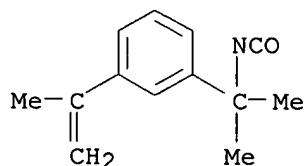
CM 1



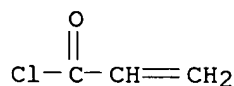
CM 2



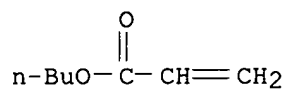
CM 3



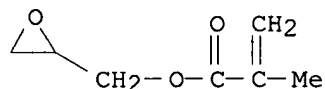
CM 4



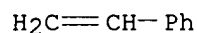
CM 5



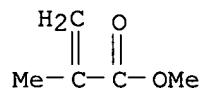
CM 6



CM 7



CM 8



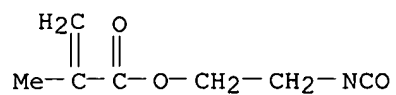
CM 9



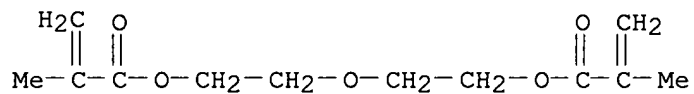
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1): 1

L42 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, oxydi-2,1-ethanediyl ester, polymer with
 butyl 2-propenoate, ethenylbenzene, 2-isocyanatoethyl 2-methyl-2-
 propenoate, 1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene,
 methyl 2-methyl-2-propenoate, oxirane, oxiranylmethyl 2-methyl-2-
 propenoate, 2-propenoic acid and 2-propenoyl chloride (9CI)
 MF (C13 H15 N O . C12 H18 O5 . C8 H8 . C7 H12 O2 . C7 H10 O3 . C7 H9 N
 O3 . C5 H8 O2 . C3 H4 O2 . C3 H3 Cl O . C2 H4 O)x
 CI PMS

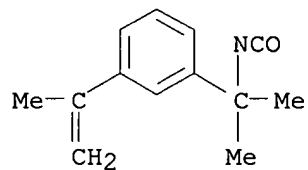
CM 1



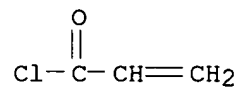
CM 2



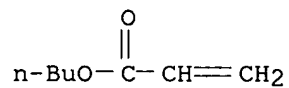
CM 3



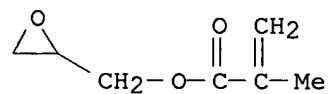
CM 4



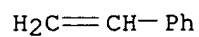
CM 5



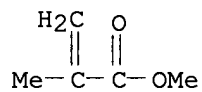
CM 6



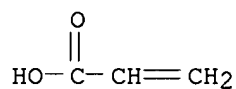
CM 7



CM 8



CM 9



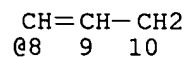
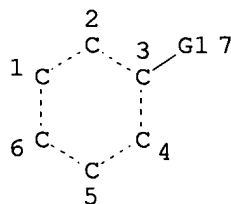
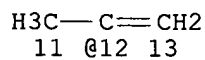
CM 10



ALL ANSWERS HAVE BEEN SCANNED

=> D QUE
L7

STR



VAR G1=8/12

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L10 STR

6
O
||
C—G1—C—NH—C
1 2 3 4 5

VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR

Ph^CH=CH—CH2
14 8 9 10

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR

14
Cb
}
H3C—C=CH2
11 12 13

NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L46 0 SEA FILE=REGISTRY ABB=ON L15 AND C30H36O2/MF

claim 1